MATHEMATICS OF THE USSR—IZVESTIYA

ИЗВЕСТИЯ АКАДЕМИИ НАУК СССР

Том 47, №№ 1–3, 1983

Volume 22, Numbers 1–3 Pages 1-648

Volume Index of Authors

Akbarov, M. K. On the quadratic mean over arithmetic progressions of the Fourier coefficients of cusp forms 191

Ayupov, Sh. A. Integration on Jordan algebras 1

Cherednik, I. V. Integrable differential equations and coverings of elliptic curves .. 357

Dzyadyk, V. K. and Shevchuk, I. A. Extensions of functions that are traces on an arbitrary set of the line of functions with given second modulus of continuity 227

Ivashkovich, S. M. Extension of locally biholomorphic mappings of domains into complex projective space 181

Katsylo, P. I. Rationality of the orbit spaces of irreducible representations of the group SL_2 23

Kharshiladze, A. F. Smooth and piecewise-linear structures on products of projective spaces 339

Kleĭman, Yu. G. Some questions in the theory of varieties of groups 33

Kovalishina, I. V. Analytic theory of a class of interpolation problems 419

Krasnov, V. A. Harnack-Thom inequalities for mappings of real algebraic varieties 247

Krylov, N. V. Boundedly nonhomogeneous elliptic and parabolic equations in a domain 67

Nikulin, V. V. Involutions of integral quadratic forms and their applications to real algebraic geometry 99

Noskov, G. A. On the elementary theory of a finitely generated almost solvable group 465

Orochko, Yu. B. Finite local propagation rate of a hyperbolic equation in the problem of selfadjointness of powers of a second order elliptic differential operator 277

Pashitnov, A. V. Uniqueness theorems for generalized cohomology theories 483

Plisko, V. E. Absolute realizability of predicate formulas 291

Popov, V. L. Syzygies in the theory of invariants 507

Safonov, A. V. Information pasts in groups 393

Semenov, C. L. Logical theories of one-place functions on the set of natural numbers 587

Sergeev, A. G. A criterion for boundedness of singular integral operators with complicated singularities 309

Skriganov, M. M. The multidimensional Schrödinger operator with a periodic potential 619
Tankeev, S. G. On cycles on abelian varieties of prime dimension over finite or number fields 329
Trofimov, V. I. Automorphisms of graphs and a characterization of lattices 379
Veretennikov, A. Yu. On stochastic equations with degenerate diffusin with respect to some of the variables 173
Vershinin, V. V. Symplectic cobordism with singularities 211
Volkov, Yu. I Multidimensional approximation operators generated by Lebesgue-Stieltjes measures 399

ABCDEFGHIJ–AMS–8987654